

LIQUID CRYSTAL DEVICE, FABRICATING METHOD, AND FABRICATING
APPARATUS THEREOF

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ABSTRACT OF THE DISCLOSURE

To provide a liquid crystal device having a uniform vertical alignment, a method for fabricating it easily, and its fabricating apparatus in fabricating an ECB-type vertically aligned liquid crystal device, a liquid crystal device includes liquid crystal
10 molecules 12 each having a negative dielectric anisotropy and polyimide films for homogeneous alignment, wherein a method for fabricating a liquid crystal device including a process of vertically orienting liquid crystal molecules is constructed by exposing the liquid crystal molecules to light from either or both sides of substrates 14 of the liquid crystal device whose liquid crystal molecules each having a negative dielectric
15 anisotropy are homogeneously oriented using polyimide films for homogeneous alignment. In addition, an aligner used for exposure is equipped with a filter so as to cut light having wavelengths of 400 nm or less and 600 nm or more, so that light having a wavelength of 400 to 600 nm can be utilized. In this liquid crystal device, the response time becomes faster when a voltage is applied between electrodes 16.